

REMARKS/ARGUMENTS

Claims 10 and 12 are now pending in this application. Claim 11 has been canceled without prejudice or disclaimer. New claim 12 has been added. No new matter has been added.

Claim Rejections under 35 U.S.C. §103

Claims 10 and 11 are rejected under 35 U.S.C. §103(a) as being unpatentable over Okumura, JP 04-155907 in view of Benko et al., U.S. Patent No. 3,464,043. Applicants request reconsideration of the rejection in view of the amendments made to claim 10 for the following reasons.

Claim 10 has been amended to set forth that the amorphous metal core transformer of the invention has a secondary coil that is of greater length than the length of the primary coil in an axial direction of the coils. Applicants refer to Figure 5A and page 18, lines 8-14 in the specification for support of the amendment.

Figure 5A shows a length (L_2) in the axial direction of the secondary coil 22 that is greater than the length (L_1) in the axial direction of the primary coil 21. As set forth in the specification, this arrangement reduces deformation caused by electromagnetic force due to short-circuit current. This aspect of the claimed combination is not disclosed in either Okumura or Benko et al.

Okumura is relied upon for disclosing a transformer with a magnetic core formed of a plurality of amorphous metal laminations, and including a primary winding 16a and a secondary winding 18. However, the reference does not disclose or suggest the claimed length relationship between the primary and secondary coils in the axial direction as set forth in claim

10. Further, Benko et al. is relied upon for disclosing a transformer having a copper winding and an aluminum winding wound on the copper winding. However, the reference does not overcome the deficiency in Okumura with respect to the claimed relation between the lengths of the primary and secondary coils. Accordingly, claim 10 as amended is not rendered obvious under 35 U.S.C. §103(a) over Okumura in view of Benko et al.

Claim 12 has been added as a new claim and is directed to the primary coil of the invention which employs a rectangular copper wire and the secondary coil of the invention which employs an aluminum strip wire. Support in the specification for claim 12 can be found on page 14, lines 4-6, for example. Claim 12 is patentable over the combination of Okumura and Benko et al. and the remainder of the art of record at least for the reasons provided with respect to the patentability of claim 10.

RCE

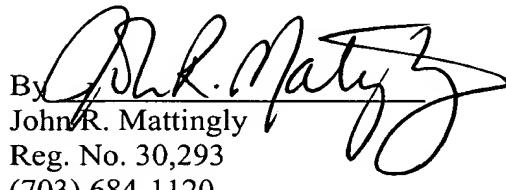
Applicants have filed a Request for Continued Examination (RCE) in response to the Office Action mailed July 26, 2005. Entry and examination of the foregoing amended and new claim is respectfully requested.

CONCLUSION

In view of the foregoing, Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

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